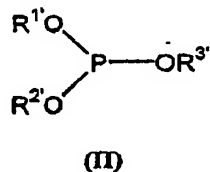
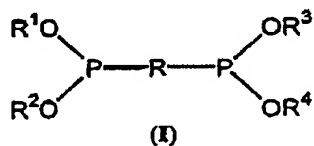


WHAT IS CLAIMED IS:

1. An adhesive silicone elastomer composition which
can be crosslinked under hot conditions by polyaddition
5 (hydrosilylation), this composition being of the type
of those comprising:

- ♦ α / at least one PolyOrganoSiloxane (POS) carrying
ethylenic and/or acetylenic unsaturation(s) {POS
comprising $\equiv\text{Si}$ -[unsaturation] units};
- 10 ♦ β / at least one polyorganosiloxane (POS) carrying
 $\equiv\text{Si-H}$ units;
- ♦ γ / a catalytic combination comprising:
 - ~ $\gamma.1$ at least one metal catalyst (preferably
based on platinum)
 - 15 ~ $\gamma.2$ and at least one crosslinking inhibitor;
- ♦ δ / a filler;
- ♦ ϵ / at least one adhesion promoter;
- ♦ ρ / at least one POS resin;
- ♦ λ / at least one agent for stability toward heat;
- 20 ♦ ϕ / optionally at least one other functional
additive;

characterized in that it is a single-component
composition and in that the crosslinking inhibitor $\gamma.2$
is selected from the group of compounds of following
25 formula (I) or (II):



in which:

R, R^1 , R^2 , R^3 , R^4 , R^1' , R^2' and R^3' , which are identical

or different, represent a linear, branched or cyclic alkyl radical or a substituted or unsubstituted aryl radical, in particular:

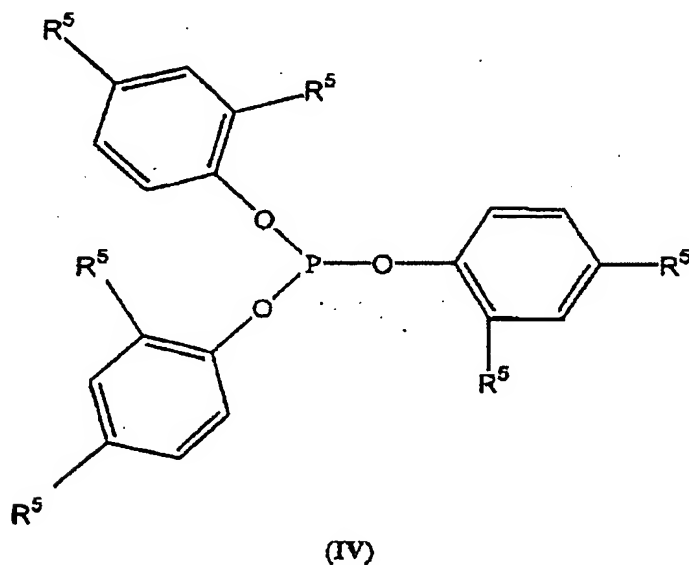
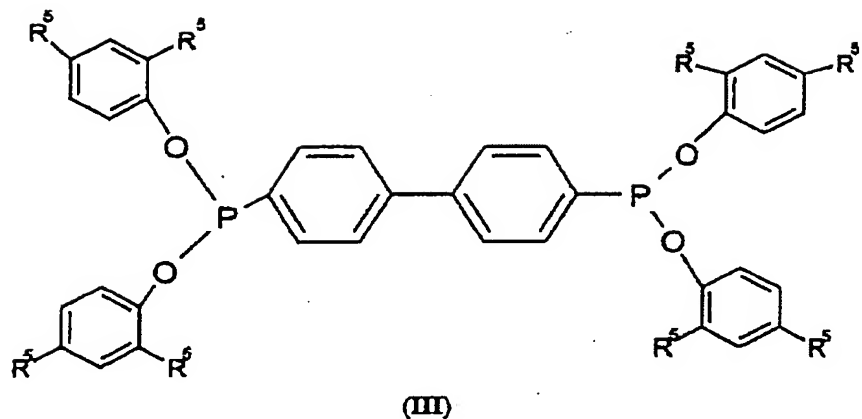
- 5 i. a linear or branched alkyl radical having in particular from 2 to 30 carbon atoms (C), preferably from 2 to 12 C,
- ii. an alkyl radical comprising one or more rings, in particular 1 or 2, it being possible for a ring to have in particular from 4 to 14 C, preferably from 10 5 to 8 C, or
- iii. an aryl or alkylaryl radical comprising one or more fused or nonfused aromatic rings, in particular 1 or 2 rings, it being possible for a ring to comprise from 4 to 14 C, preferably from 15 6 to 8 C, optionally substituted by 1 or more, in particular from 1 to 2, linear or branched alkyl(s) having in particular from 1 to 12 C, preferably from 4 to 12 C.

20 2. The composition as claimed in claim 1, characterized in that the R radical of the formula (I) of the inhibitor $\gamma.2$ is a cyclic alkyl or an aryl radical, preferably the biphenyl radical.

25 3. The composition as claimed in claim 1, characterized in that the R^1 , R^2 , R^3 , R^4 , $R^{1'}$, $R^{2'}$ and $R^{3'}$ radicals of the formulae (I) and (II) of the inhibitor $\gamma.2$ are cyclic alkyls, aryls or alkylaryls, preferably substituted phenyls.

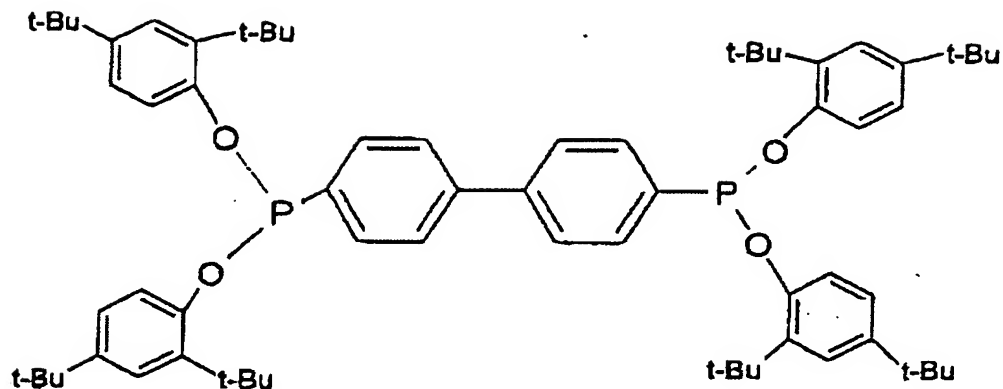
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4. The composition as claimed in claim 1, characterized in that the inhibitor $\gamma.2$ corresponds to either of the following formulae (III) and (IV):

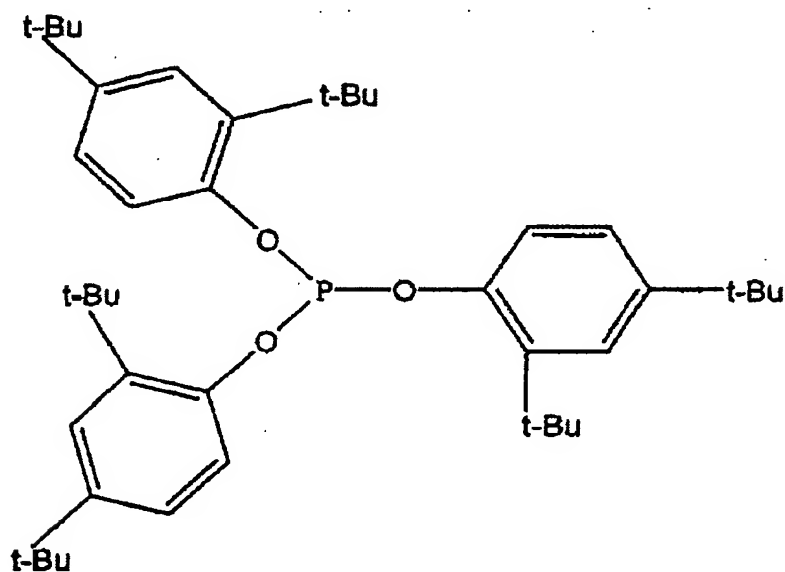


in which the R^5 radicals, which are identical or
 5 different, preferably identical, are linear or branched
 alkyls having in particular from 1 to 12 C, preferably
 from 4 to 12 C.

5. The composition as claimed in claim 1,
 10 characterized in that the inhibitor $\gamma.2$ corresponds to
 the formula (V) or (VI):



(V)



(VI)

6. The composition as claimed in any one of claims 1
5 to 5, characterized in that the catalyst $\gamma.1$ is a
platinum catalyst.

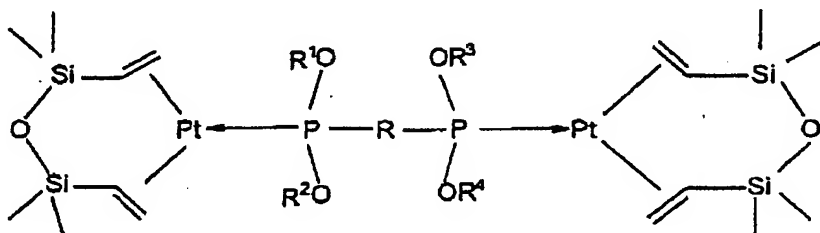
7. The composition as claimed in any one of claims 1
to 6, characterized in that the phosphorus of
10 $\gamma.2$ /platinum of $\gamma.1$ ratio by weight is such that:

- $P/Pt \geq 1$,
- preferably, $5 \geq P/Pt \geq 1$,
- and, more preferably still, $4 \geq P/Pt \geq 1$.

15 8. The catalytic composition as claimed in claim 6,
characterized in that the catalyst $\gamma.1$ is a platinum/

unsaturated siloxane complex, preferably a platinum/vinylsiloxane complex and more preferably still a Karstedt complex.

- 5 9. The composition as claimed in claim 8, characterized in that the catalytic combination γ comprises the following chemical entity (I'):



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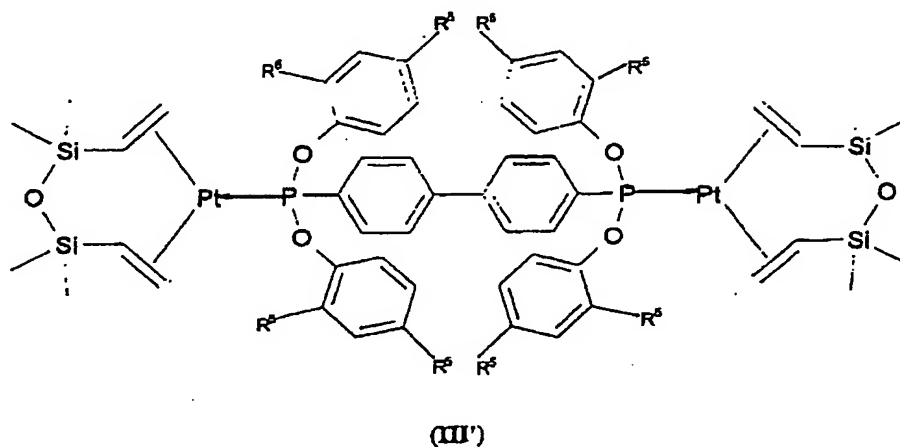
in which:

R, R¹, R², R³ and R⁴, which are identical or different, represent a linear, branched or cyclic alkyl radical or a substituted or unsubstituted aryl radical, in particular:

- 15 i. a linear or branched alkyl radical having in particular from 2 to 30 carbon atoms (C), preferably from 2 to 12 C,
- 20 ii. an alkyl radical comprising one or more rings, in particular 1 or 2, it being possible for a ring to have in particular from 4 to 14 C, preferably from 5 to 8 C, or
- 25 iii. an aryl or alkylaryl radical comprising one or more fused or nonfused aromatic rings, in particular 1 or 2 rings, it being possible for a ring to comprise from 4 to 14 C, preferably from 6 to 8 C, optionally substituted by 1 or more, in particular from 1 to 2, linear or branched alkyl(s) having in particular from 1 to 12 C,
- 30 preferably from 4 to 12 C.

10. The composition as claimed in claim 9,

characterized in that the catalytic combination γ comprises the following chemical entity (III'):

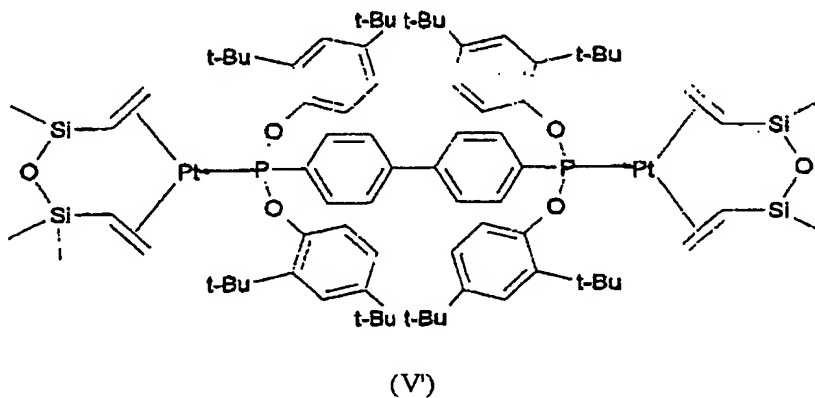


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in which the R^5 radicals, which are identical or different, preferably identical, are linear or branched alkyls having in particular from 1 to 12 C, preferably from 4 to 12 C.

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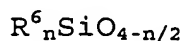
11. The composition as claimed in claim 10, characterized in that the catalytic combination γ comprises the following chemical entity (V'):



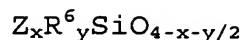
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12. The composition as claimed in claim 1, characterized in that:

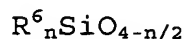
- ♦ the α POS or POSSs comprise siloxyl units



and siloxyl units of formula:

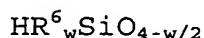


5 ♦ the β POS or POSs comprise siloxyl units



and siloxyl units of formula:

10



in which formulae the various symbols have the following meaning:

15 \Rightarrow the R^6 symbols, which are identical or different, each represent a nonhydrolyzable group of hydrocarbon nature, it being possible for this radical to be:

- 20 * an alkyl radical having from 1 to 5 carbon atoms which can comprise from 1 to 6 chlorine atoms,
- * cycloalkyl radicals having from 3 to 8 carbon atoms which can comprise from 1 to 4 chlorine atoms,
- 25 * aryl or alkylaryl radicals having from 6 to 8 carbon atoms which can comprise from 1 to 4 chlorine atoms,
- * cyanoalkyl radicals having from 3 to 4 carbon atoms; methyl, ethyl, propyl, isopropyl, 30 butyl, isobutyl, n-pentyl, t-butyl, chloromethyl, dichloromethyl, α -chloroethyl, α,β -dichloroethyl, β -cyanoethyl, γ -cyano-propyl, phenyl, p-chlorophenyl, m-chlorophenyl, 3,5-dichlorophenyl, trichlorophenyl, 35 tetrachlorophenyl, o-, p- or m-tolyl, and xylyl, such as 2,3-dimethylphenyl or 3,4-dimethylphenyl, groups being preferred; methyl and phenyl radicals being particularly preferred;

- ⇒ the Z symbols represent a C₂-C₆ alkenyl group (preferably a vinyl group);
- ⇒ n = an integer equal to 0, 1, 2 or 3;
- ⇒ x = an integer equal to 0, 1, 2 or 3;
- 5 ⇒ y = an integer equal to 0, 1 or 2;
- ⇒ the sum x + y lies within the range from 1 to 3,
- ⇒ w = an integer equal to 0, 1, 2 or 3.

13. The composition as claimed in claim 12,
10 characterized in that it comprises:

- α/ - at least one POS exhibiting, per molecule, at least two C₂-C₆ alkenyl groups bonded to silicon;
- β/ - at least one POS exhibiting, per molecule, at least two hydrogen atoms bonded to silicon;
- 15 - γ/ - a catalytic combination as defined in claims 2 to 12;
- ε/ an adhesion promoter, preferably a binary adhesion promoter and more preferably still an adhesion promoter consisting of:
 - 20 Δ ε.1 Δ at least one alkoxyated organosilane comprising, per molecule, at least one C₂-C₆ alkenyl group,
 - Δ ε.2 Δ at least one organosilicon compound comprising at least one epoxy radical;
- 25 - δ/ an inorganic and/or microsphere and/or hollow and/or expanded and/or expandable inorganic filler;
- ρ/ optionally at least one POS resin carrying T and/or Q, optionally M and/or D, siloxyl units and alkenyl-comprising siloxyl units, preferably
- 30 vinyl-comprising siloxyl units of M^{vi} and/or D^{vi} type, resins of MM^{vi}DD^{vi}Q type being very particularly preferred;
- λ/ optionally at least one colorant;
- 35 - φ/ optionally at least one other functional additive.

14. The composition as claimed in claim 12 or 13, characterized in that it is an RTV composition and in

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